

STATINTL

5 November 1962

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Dear John:

I am enclosing for your consideration three copies of a proposal for a Feasibility Study of an Ultra-High Resolution Viewer.

As you know, we developed this proposal because of our firm belief that an improvement in viewer performance is required if the full capabilities of modern high resolution films are to be realized. The two proposed viewer concepts outlined in our proposal, if proven practical, should provide this performance improvement.

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The study effort will be for sixteen weeks and will be directed by [ ] In the areas of optical design and optical breadboard fabrication, we will be supported by [ ] company, [ ] [ ]

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We are recommending a cost plus fixed fee (CPFF) contract arrangement for the proposed effort, the cost of which is [ ]

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We are quite optimistic as to achieving significant results in this study area. We believe that should the described approaches meet with even modest success we will have accomplished a potential breakthrough in the field of high-resolution viewers. If we can be of further assistance, please do not hesitate to call on us.

Sincerely,

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[ ]

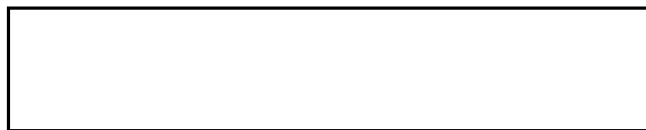
/President

Enclosures (3)

DECLASS REVIEW by NIMA/DOD

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13 November 1962

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Subject: Ultra-High Resolution Diffraction Viewer

Dear Jarvice:

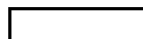
We are pleased to resubmit our estimate for a program to determine the feasibility of an ultra-high resolution Diffraction Viewer as presented in our Proposal No. 6011 dated 2 October 1962 and as described at your facility on 6 and 8 November. In accordance with your request and our agreement, we have divided the program into two phases:

Phase I: Investigative Phase

Duration: Nine (9) weeks

Task: To conduct the necessary theoretical and experimental work required to ascertain and demonstrate feasibility. This effort will include work to select the optimum monochromatic light source and its intensity. In addition, it will include a scaled model of a pair of diffraction gratings. A report will be prepared and submitted upon completion of this phase.

Price: CPFF Amount



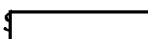
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Phase II: Breadboard Phase

Duration: Nine (9) weeks

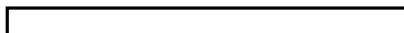
Task: To design, construct, and assemble a transportable breadboard sufficient to demonstrate feasibility. The breadboard will be delivered to, and demonstrated at the customer's facility. To prepare design concepts, layouts, and specifications for an operational prototype. A report will be prepared and submitted upon completion of Phase II.

Price: CPFF Amount



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It is recommended that the customer fund the entire program with a go-ahead only on Phase I. Phase II may be authorized at any time deemed appropriate. You will note that there is a slight increase in cost due to dividing the program into two distinct phases with no concurrent work savings. Should there be an overlap with Phase I, some savings may be passed on to the customer, the amount of which will be dependent upon the extent of the overlap.

We have been in contact with [redacted] who has informed us today that the University of Michigan, with which he is also associated, has been producing 18" to 20" square gratings, costing a "few" thousand dollars. He was very encouraging.

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I would like to express our appreciation for your consideration in this advanced study which is an area we feel we can make a significant contribution.

Yours very truly



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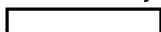
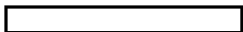

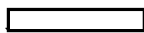
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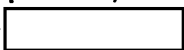
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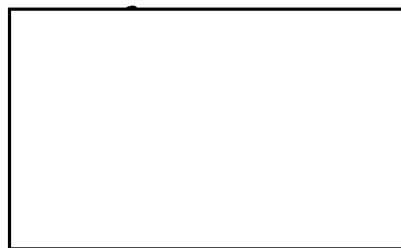
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